

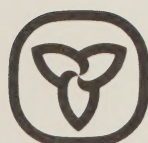
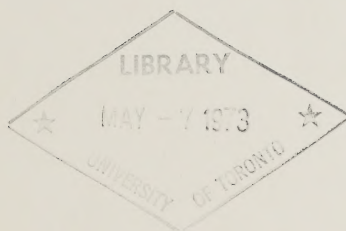
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Government
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1971 FRUIT TREE CENSUS

Part III

Apples




Ontario

T.R. Hilliard
Deputy Minister

Ministry of
Agriculture
and Food

Hon. Wm. A. Stewart
Minister



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FOREWORD

Every five years, a Fruit Tree Census is conducted by the Extension Horticulturists of the Ministry of Agriculture and Food. Such a census was conducted in 1971. C.M. Riach, of the Economics Branch, directed the tabulation of the census schedules and preparation of the statistical tables.

The results of the 1971 census are being published in three parts and an effort has been made to include useful information on the various crops. This publication presents the number of apple trees reported by this census. Another publication deals with tender fruit and a third with grapes. We hope that growers will find this report of value in deciding future plantings. We hope, too, that industry personnel responsible for making crop forecasts will find this an up-to-date base for their predictions.

Throughout this report, reference is made to the 1956, 1961, and 1966 surveys. Wherever possible, the format established in 1966 is followed in 1971, allowing for a direct comparison. In some cases, this comparison was also possible for the earlier census. For purposes of this survey, the Province is divided into the following six districts:

1. **St. Lawrence Valley District** — Counties of Glengarry, Stormont, Dundas, Carleton, Grenville and Leeds.
2. **Eastern Ontario** — Counties of Frontenac, Lennox and Addington, Hastings, Prince Edward, Northumberland, Peter-

borough, Durham, Ontario and Victoria.

3. **Georgian Bay District** — Counties of Simcoe, Grey, Bruce and Dufferin.
4. **Central Ontario District** — Counties of York, Peel, Halton and North Wentworth.
5. **Niagara District** — Counties of Niagara North, Niagara South, South Wentworth and Haldimand.
6. **Southwestern Ontario District** — Counties of Brant, Norfolk, Oxford, Perth, Wellington, Waterloo, Elgin, Middlesex, Kent, Lambton, Essex and Huron.

Every effort was made by those involved in collecting the information to make this report as complete as possible. It must be acknowledged, however, that the report may not represent 100% of the apple growers in the province. Some 1,952 growers reported apples on standard rootstocks in 1971, compared to 2,392 in 1966. The number reporting apples on size-controlling rootstocks remains essentially unchanged.

Appreciation is expressed to E.T. Andersen and A. Hutchinson, Horticultural Research Institute of Ontario, and W.E. Bond, Secretary-Manager of the Ontario Apple Marketing Commission, in preparing the manuscript for this publication.

J.R. Rainforth, Chairman,
Fruit Tree Census Committee

APPLE MARKETING

Since the last census in 1966, world apple production has increased dramatically, thus closing to Ontario many traditional export markets. Crops since that time have averaged in the vicinity of 6.5 million bushels per annum, and world conditions have forced the marketing of 90% of production at domestic level. The remaining 10% goes principally to United States markets.

Utilization of the Ontario crop has not changed percentage-wise during this period, with 38 to 48% processed and the balance going into the fresh market. Peeler requirements over the past 5 years have remained constant at 800,000 bushels per annum.

In 1968, the Ontario apple producers, by ballot, created a new concept in commodity marketing by the formation of the Ontario Apple Marketing Commission. All segments of the industry, from grower to consumer, are represented on the Board of Directors. The Apple Commission was granted power, under the Farm Products Marketing Act of Ontario, to set prices at a level other than to the grower.

The Ontario Apple Marketing Commission in its operation for the past 3½ years has put stability into the Ontario apple industry and consistently maintained prices at levels above all surrounding markets. One of the effects of the Commission's marketing policies has been to remove speculation from the industry and assure the grower of maximum returns for his product. A grower mandate conducted on July 12, 1972, returned the Commission for a further 5-year period.

There have been radical changes in the marketing of apples in Ontario, where distribution has moved into grower-controlled groups, i.e. cooperatives, affiliation, etc. This trend is expected to continue. It is estimated that at least 60% of the Ontario crop moves through these facilities at the present time. It is expected that there will be as many, if not more changes in the distributive pattern of the apple industry, not only in Ontario, but throughout Canada and the world over the next 5-year period.

THE APPLE INDUSTRY

The apple is the most widely grown fruit crop in the Province of Ontario and until 1971 has consistently had the highest farm value. In 1971, owing to an exceptional crop in the Niagara Peninsula and good prices, the farm value of grapes exceeded that of apples. Total farm value, unit value and acreage of these

crops, for recent years in Ontario, are given in the table below. These two crops make up over half of the total value of fruit crops grown in Ontario.

Year	Acreage	Marketed Production	Total Farm Value In Dollars	Average Farm Value In Dollars
Apples				
Average of		(bushels)		(per bushel)
1965-1969	27,422	6,394,411	10,147,727	1.59
1970	27,890	6,868,021	9,673,700	1.41
1971	27,903	6,760,547	8,953,000	1.32
Grapes				
Average of		(tons)		(per ton)
1965-1969	21,949	58,756	6,744,660	114.76
1970	22,369	63,231	9,478,800	146.91
1971	22,369	78,175	12,465,000	159.45

Reference to these data shows that the apple is still the leading crop based on acreage and tonnage marketed. By converting apple bushels to pounds at the rate of 42 pounds per bushel and grape tons to pounds, the total marketed apple crop for 1971 was about 284 million pounds, compared to 156 million for grapes. Note also that the farm value unit price for apples has dropped 17%; from an average of \$1.59 per bushel in the 1965-69 period to \$1.32 per bushel in 1971. Grapes on the other hand had a farm value increase from \$114.76 per ton (average) in the 1965 to 1969 period to \$159.45 in 1971; an increase of 39% over the same period of time. It thus becomes obvious that notwithstanding the significant increase in grape production in recent years, the main factor resulting in grapes having a higher farm value than apples, is price; with average prices for apples going down and grapes going up.

It is of interest to compare census figures for 1921 with the survey figures for 1971. According to these figures there were 4,492,672 bearing trees and 987,115 nonbearing trees in Ontario in 1921. The crop was 9,187,703 bushels and it was valued at \$6,194,254; at that time a sum more than twice the value of all other tree fruits combined.

This census also indicates widespread production over much of the southern part of Ontario, but with the main commercial production centered in certain well-defined areas. Although there has been some shift in relative importance of these areas they are essentially the same as they were in 1921. Significant changes

have occurred in the reduction of numbers of farms producing apples, particularly in less favored areas and in the wide use of size-controlling rootstocks.

Comparing present production with that in 1921 we find that the 5 1/2 million trees in orchards at that time produced 9 million bushels and that the nearly 1 1/2 million trees now in orchards produced 6 3/4 million bushels in 1971. It is thus obvious that today's apple grower produces far more apples per tree and acre than was produced in earlier years. Use of size-controlling rootstocks and possible further improvement in production efficiencies are factors which can contribute significantly to more competitive apple production in Ontario.

This 1971 survey shows 1,952 farms reporting apple trees on standard rootstocks in Ontario and 744 reporting apples on size-controlling rootstocks. Comparable figures for 1966 were 2,392 and 743 respectively, indicating a significant drop in farms with standard stocks. The total number of trees in these categories in 1971 were 726,184 on standard rootstocks and 754,260 on size-controlling rootstocks or a total of 1,480,444 trees. In 1966 the number of trees on standard rootstocks was 748,792 and those on size-controlling stocks was 426,636. The tree increase has therefore been entirely in trees on size-controlling rootstocks; up nearly 77% over the 1966 survey.

Research in orchard management is underway to determine the economics and effectiveness of all of the best known practices in a complete apple production program. All major apple growing areas of this province are included. Experiments involving size-controlling rootstocks, close spacing of trees, chemical weed control, new spur and high coloring strains, and growth regulators for inducing early bearing of trees and controlling growth are included. Results from these studies should provide improvements in apple culture which along with a change in price trends could provide a healthy business for Ontario apple growers.

VARIETIES

McIntosh remains the leading apple variety in Ontario in numbers of bearing and nonbearing trees. Spy (Northern and Red) still exceeds Delicious in total numbers of trees in the bearing age group. However, with Delicious making up the largest proportion of nonbearing trees on size-controlling stocks (30.5%) and the second-largest nonbearing group on seedling stocks, this variety will soon surpass Spy in the numbers of bearing trees.

Spartan and Idared are being planted in limited numbers as possible replacements for McIntosh and Spy. These newer varieties color better and are firmer. Golden Delicious continues to increase in numbers. More than half the plantings of this variety are still young nonbearing trees. Rhode Island Greening has shown a slight decline in total numbers, but almost 30% of the trees remaining on seedling stocks (standard apple trees) are young nonbearing trees. Golden Russett has shown a sharp increase in new plantings, especially on seedling stocks. The number of Golden Russett trees is still less than 1% of the total.

In early varieties, there have been increases in plantings of Quinte, Early McIntosh and Lodi on standard stocks and in Melba on size-controlling stocks. A large group of other varieties in the nonbearing age group, especially on size-controlling stocks, possibly reflects growers' interest in several of the newer early to mid-season varieties.

No recommendations are made in this publication on varieties to be planted. The varieties recommended for a particular grower will depend on such factors as location, climate and market outlets (see Ontario Ministry of Agriculture and Food Publication 430, Fruit Varieties).

APPLE TREE CENSUS

Continuing the procedure of conducting an apple tree census every 5 years, a census was conducted in the fall and winter of 1971-72. Previous Censuses were conducted in 1956, 1961, and 1966. Response from growers to the questionnaires was very good and we believe the data presented here accurately represents the Ontario apple industry today.

Trees On Standard Rootstocks

The data is divided into apples on standard rootstock and apples on size-controlling rootstocks. This section will deal with standard rootstocks.

Table I presents the number of farms reporting apples on standard rootstocks. Some 57% of all farms reporting have less than 151 trees per farm. This indicates that they are either noncommercial as an apple production unit, or they are part of a larger unit consisting of size-controlling rootstocks. The remaining 643 farms reporting may be considered commercial apple farms. The number of farms reporting apples on standard rootstocks has declined by 445 during the past 5 years, but as shown by **Table IV** there has not been a corresponding decrease in the number of trees. A reduction of approximately 10,000 or 1.4%, is smaller than expected.

The initiation of a tree removal scheme under the Capital Grants Program, after much of the data for this study had already been collected, warrants mentioning here. The effects of this program on tree numbers is not reflected in this study. Nonetheless, grants for this purpose to this date indicate that more than 50,000 apple trees on standard rootstocks have been removed since October 15, 1971 when the program was announced. Harvesting costs and fruit quality are two extremely important factors in apple production today and the removal of old, expensive-to-maintain trees is desirable.

Table V shows the anticipated plantings and removals during 1972 and 1973. A net reduction of 120 acres is indicated.

Table II presents the number of apple trees on standard rootstocks classified by variety and district. McIntosh, Northern Spy and Red Delicious make up 73% of the total with no other variety making up as much as 4%. It is interesting to compare this variety picture with that presented in **TABLE VII** on size-controlling rootstock. Red Delicious is nearly as popular as McIntosh, and the percentage of Golden Delicious is more than twice as high as on standard. Some 16% of the trees on standard rootstock are Delicious, while 29% of the trees on size-controlling rootstocks are Delicious.

Table III presents the numbers of apple trees grown on standard rootstocks in the province by variety and age groups. It is surprising to see that there are 145,718 trees (approximately 20% of the total number) in the 1- to 7-year age group, at a time when there is a great interest in size-controlling rootstocks. The 29% of the total "31 years and over" is discouraging as this is considerably higher than the 23% reported for the same category in the 1966 census. The tree removal scheme mentioned earlier should have a favorable effect on this age group.

Trees On Size-Controlling Rootstocks

Table VI to XVII present data on the current status of the Ontario apple industry as it relates to trees on size-controlling rootstocks. It is on size-controlling rootstocks that the most significant changes and developments in the industry are taking place. Growers have a wide choice in the amount of dwarfing they wish to have in their trees, and the choices they are making are indicated in the 1 to 5 year age groups in the tables. A rootstock so recently introduced that it had relatively little impact on the census, but is expected to be very important in the future, is EM 26. This rootstock results in what appears to be an ideally sized tree with many other favorable characteristics.

Table VI presents information on number of farms reporting trees on size-controlling root-

stocks. The 744 reporting in this census is one more than reported in 1966. The number of trees per farm is significantly different, however, with a big increase in what are considered to be commercial sized orchards, i.e. 301 trees and over. More than 47% of the farms reporting are in this category compared to 37% in 1966. The distribution of the size-controlling rootstocks within the province is indicative of the growers' concern for winter hardiness. The St. Lawrence Valley, eastern Ontario, and Georgian Bay areas have proportionately fewer farms reporting trees on size-controlling rootstocks than on standards, while, in central Ontario, Niagara and southwestern Ontario, the opposite is true. This is even more pronounced when looking at tree numbers as presented in **Table VII**. Over 57% of the trees on standard rootstocks are in the eastern and northern apple growing areas of the province, and only 30% of the trees on size-controlling rootstocks are in the same areas. Another significant factor is the above-mentioned difference in the variety picture when comparing the standard and size-controlling rootstocks.

Table VIII shows the number of trees classified by variety and age group. More than 58% of the trees are 5 years or younger and an additional 27% are between 6- and 10-years of age. A very significant potential for increased apple production exists within the province as indicated here, and this will present a real challenge to those responsible for marketing of this commodity. It should also be noted here that, for the first time, a census is reporting more trees on size-controlling rootstocks than on standards.

Tables VIII (A) to VIII (F) list the number of trees by variety and age group.

Table IX compares the number of trees on size-controlling rootstock for the 1956, 1961, 1966, and 1971 censuses. The more than 10-fold increase in 15 years indicates the rapid changes taking place in this industry. Also, the percentage increase was greater from 1966 to 1971 than during the previous 5-year period.

The anticipated plantings and removals shown in **TABLE X** indicates that this trend will continue. A net gain of 621 acres for 1972 and 1973 is predicted.

In order that the Ontario apple industry has as complete a picture as possible of the distribution of the various size-controlling rootstocks used by growers, **TABLES XI to XVII** are presented. Because of the great differences in numbers of trees planted per acre, growers were asked to indicate density of plantings as follows:

- low density — less than 60 trees per acre
- medium density — 61 to 200 trees per acre
- high density — more than 200 trees per acre.

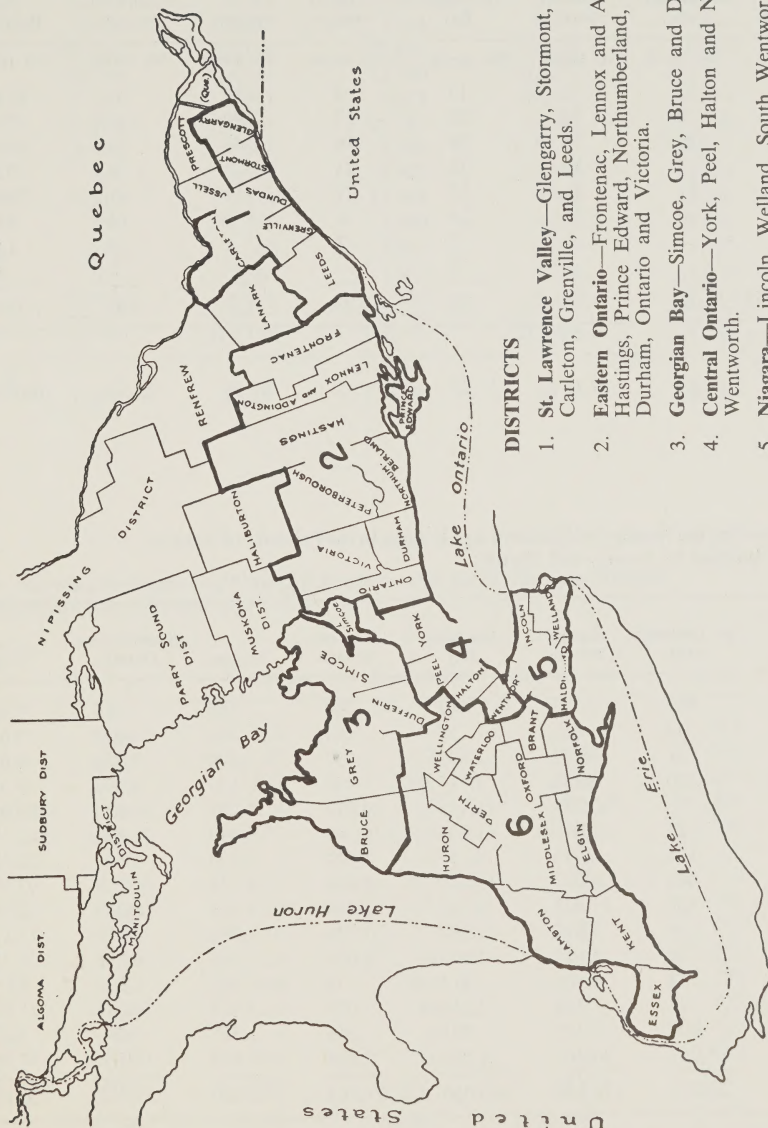
Tables XI to XI (I) indicate density. A brief summary of the distribution of rootstocks compared to the 1966 census is presented as follows:

Rootstock	Total Number of Trees		Percent	
	1966	1971	1966	1971
EM 2	68,361	66,046	16.0	8.8
EM 7	142,618	199,355	33.4	26.4
EM 9	101,304	146,282	23.3	19.4
EM 26	—	35,371	—	4.7
MM 104	4,215	16,933	1.0	2.2
MM 106	29,401	136,329	6.9	18.1
MM 111	15,100	33,267	3.5	4.4
Other	65,393	120,677	14.9	16.0
TOTAL	426,636	754,260	100.0	100.0

Tables XII to XVII give the breakdown of trees on the various size-controlling rootstocks by variety and age group. From these tables, it is apparent that the St. Lawrence district continues to be considered unsuitable for the size-controlling rootstock. All other areas share, to some extent, the increase in numbers of trees on dwarfing rootstocks.

Malus Robusta 5 Rootstock, which looked promising during the period covered by the 1966 census, has been considered difficult to manage profitably and, in spite of its apparent advantage of hardiness, has not been widely planted. It is included with other rootstock.

Map of Southern Ontario



DISTRICTS

1. **St. Lawrence Valley**—Glengarry, Stormont, Dundas, Carleton, Grenville, and Leeds.
2. **Eastern Ontario**—Frontenac, Lennox and Addington, Hastings, Prince Edward, Northumberland, Peterborough, Durham, Ontario and Victoria.
3. **Georgian Bay**—Simcoe, Grey, Bruce and Dufferin.
4. **Central Ontario**—York, Peel, Halton and North Wentworth.
5. **Niagara**—Lincoln, Welland, South Wentworth, and Haldimand.
6. **Southwestern Ontario**—Brant, Norfolk, Oxford, Perth, Wellington, Waterloo, Elgin, Middlesex, Kent, Lambton, Essex, and Huron.

APPLES ON STANDARD ROOTSTOCKS — TABLE I TO V

**TABLE I — Farm Reporting Apples on Standard Rootstocks,
Classified According to Number of Trees on Farm**

Number of trees	St. Lawrence Valley	Eastern Ontario	Georgian Bay	Central Ontario	Niagara	Southwestern Ontario	Total Province	No. of farms in size range as a % of total
	No. farms	No. farms	No. farms	No. farms	No. farms	No. farms	No. farms	%
1 to 30	12	19	17	8	462	96	614	31.45
31 to 150	15	74	52	37	180	137	495	25.36
151 to 300	10	73	34	19	42	56	234	11.99
301 to 600	4	89	35	23	23	78	252	12.91
601 to 1,500	11	86	53	27	19	53	249	12.76
1,501 to 3,000	6	29	24	8	5	13	85	4.35
3,001 to 4,500	2	3	2	2	1	5	15	0.77
4,501 & over	—	4	2	—	—	2	8	0.41
TOTAL FARMS	60	377	219	124	732	440	1,952	100.00
Number of farms in each district as a % of total	3.07	19.32	11.22	6.35	37.50	22.54	100.00	

**TABLE II — Showing the Number of Standard Apple Trees in the Province of Ontario
Classified by Variety and District**

Variety	St. Lawrence Valley	Eastern Ontario	Georgian Bay	Central Ontario	Niagara	Southwestern Ontario	Total	Variety as a % of Total Trees
Quinte	661	1,263	982	304	595	1,683	5,488	0.76
Lodi	316	569	97	581	288	1,224	3,075	0.42
Melba	1,248	3,772	1,539	2,357	1,800	3,316	14,032	1.93
Early McIntosh	260	2,299	1,715	1,932	633	6,493	13,332	1.84
McIntosh	26,756	102,719	71,935	24,973	10,295	51,352	288,030	39.70
Northern Spy	22	41,019	41,933	16,343	6,479	36,394	142,190	19.58
Red Spy	134	6,916	5,437	1,627	2,553	5,647	22,314	3.07
Delicious	463	26,007	18,838	9,821	11,538	30,629	97,296	13.36
R.I. Greening	462	11,633	1,294	1,464	1,624	6,218	22,695	3.13
Wealthy	129	2,037	1,539	3,626	1,382	3,416	12,129	1.68
Cortland	1,758	5,621	3,303	3,000	2,123	6,385	22,190	3.06
Snow	732	4,164	811	732	451	1,726	8,616	1.19
Golden Delicious	27	1,312	2,255	626	3,113	4,089	11,422	1.57
Golden Russett	800	2,438	291	248	357	1,486	5,620	0.77
Other Varieties	5,367	20,260	11,087	3,828	4,089	13,124	57,755	7.95
TOTAL	39,135	232,029	163,056	71,462	47,320	173,182	726,184	100.00
District as a % of Total Trees	5.39	31.97	22.45	9.84	6.51	23.84	100.00	

**TABLE III — Showing the Number of Standard Apple Trees in the Province of Ontario
Classified by Variety and Age Group**

Variety	1 to 7 yrs	8 to 15 yrs	16 to 30 yrs	31 yrs & over	Total	Variety as a % of Total Trees
Quinte	3,931	1,348	162	47	5,488	0.76
Lodi	1,321	1,090	509	155	3,075	0.42
Melba	1,932	3,222	6,144	2,734	14,032	1.93
Early McIntosh	4,672	3,501	3,788	1,371	13,332	1.84
McIntosh	51,030	43,118	100,110	93,772	288,030	39.66
Northern Spy	18,580	15,627	55,740	52,243	142,190	19.58
Red Spy	1,100	1,757	9,015	10,442	22,314	3.07
Delicious	27,295	21,968	28,741	19,292	97,296	13.40
R.I. Greening	6,841	3,003	7,336	5,515	22,695	3.13
Wealthy	623	1,896	6,342	3,268	12,129	1.67
Cortland	1,819	3,434	11,995	4,942	22,190	3.06
Snow	279	500	2,970	4,867	8,616	1.19
Golden Delicious	5,345	3,222	1,951	904	11,422	1.57
Golden Russett	1,021	1,808	1,583	1,208	5,620	0.77
Other Varieties	19,939	6,984	15,634	15,198	57,755	7.95
TOTAL	145,728	112,478	252,020	215,958	726,184	100.00
Age Group as a % of Total Trees	20.07	15.49	34.70	29.74	100.00	

**TABLE III (A) — Showing the Number of Standard Apple Trees in the St. Lawrence District
Classified by Variety and Age Group**

Variety	1 to 7 yrs	8 to 15 yrs	16 to 30 yrs	31 yrs & over	Total	Variety as a % of Total Trees
Quinte	529	132	—	—	661	1.69
Lodi	207	83	22	4	316	0.81
Melba	58	323	369	498	1,248	3.19
Early McIntosh	39	8	32	181	260	0.66
McIntosh	3,306	2,577	8,123	12,750	26,756	68.37
Northern Spy	—	5	15	2	22	0.06
Red Spy	2	—	107	25	134	0.34
Delicious	242	172	38	11	463	1.18
R.I. Greening	1	6	17	438	462	1.18
Wealthy	7	24	98	—	129	0.33
Cortland	188	268	1,083	219	1,758	4.49
Snow	1	30	80	621	732	1.87
Golden Delicious	20	1	6	—	27	0.07
Golden Russett	27	714	16	43	800	2.04
Other Varieties	702	916	2,191	1,558	5,367	13.72
TOTAL	5,329	5,259	12,197	16,350	39,135	100.00
Age Group as a % of Total Trees	13.62	13.43	31.17	41.78	100.00	

**TABLE III (B) — Showing the Number of Standard Apple Trees in the Eastern Ontario District
Classified by Variety and Age Group**

Variety	1 to 7 yrs	8 to 15 yrs	16 to 30 years	31 yrs & over	Total	Variety as a % of Total Trees
Quinte	1,156	87	—	20	1,263	0.54
Lodi	218	141	123	87	569	0.25
Melba	865	557	1,777	573	3,772	1.63
Early McIntosh	742	518	474	565	2,299	1.00
McIntosh	14,857	10,356	33,964	43,542	102,719	44.27
Northern Spy	2,200	3,031	16,683	19,105	41,019	17.68
Red Spy	228	439	2,277	3,972	6,916	2.98
Delicious	7,453	4,635	7,660	6,259	26,007	11.21
R.I. Greening	5,996	2,129	1,785	1,723	11,633	5.01
Wealthy	55	255	928	799	2,037	0.88
Cortland	138	548	3,529	1,406	5,621	2.42
Snow	19	118	1,630	2,397	4,164	1.79
Golden Delicious	239	378	459	236	1,312	0.57
Golden Russett	425	339	1,052	622	2,438	1.05
Other Varieties	7,032	1,249	5,347	6,632	20,260	8.72
TOTAL	41,623	24,780	77,688	87,938	232,029	100.00
Age Group as a % of Total Trees	17.94	10.68	33.48	37.90	100.00	

**TABLE III (C) — Showing the Number of Standard Apple Trees in the Georgian Bay District
Classified by Variety and Age Group**

Variety	1 to 7 yrs	8 to 15 yrs	16 to 30 years	31 yrs & over	Total	Variety as a % of Total Trees
Quinte	775	201	6	—	982	0.60
Lodi	68	6	23	—	97	0.06
Melba	229	444	761	105	1,539	0.94
Early McIntosh	725	353	497	140	1,715	1.05
McIntosh	24,987	14,820	19,412	12,716	71,935	44.12
Northern Spy	12,558	6,513	12,645	10,217	41,933	25.72
Red Spy	38	479	2,426	2,494	5,437	3.34
Delicious	7,071	4,931	4,868	1,968	18,838	11.55
R.I. Greening	622	51	270	351	1,294	0.79
Wealthy	69	225	943	302	1,539	0.94
Cortland	1,125	590	1,376	212	3,303	2.03
Snow	15	74	174	548	811	0.50
Golden Delicious	1,394	478	243	140	2,255	1.38
Golden Russett	83	97	60	51	291	0.18
Other Varieties	7,131	1,498	998	1,460	11,087	6.80
TOTAL	56,890	30,760	44,702	30,704	163,056	100.00
Age Group as a % of Total Trees	34.89	18.86	27.42	18.83	100.00	

**TABLE III(D) — Showing the Number of Standard Apple Trees in the Central Ontario District
Classified by Variety and Age Group**

Variety	1 to 7 yrs	8 to 15 yrs	16 to 30 years	31 yrs & over	Total	Variety as a % of Total Trees
Quinte	171	31	102	—	304	0.43
Lodi	64	326	171	20	581	0.81
Melba	279	671	1,232	175	2,357	3.30
Early McIntosh	30	351	1,551	—	1,932	2.70
McIntosh	1,360	5,470	12,744	5,399	24,973	34.95
Northern Spy	478	1,796	9,769	4,300	16,343	22.87
Red Spy	—	247	934	446	1,627	2.28
Delicious	1,474	1,881	4,899	1,567	9,821	13.74
R.I. Greening	—	193	774	497	1,464	2.05
Wealthy	227	1,017	1,794	588	3,626	5.07
Cortland	60	611	1,675	654	3,000	4.20
Snow	1	158	296	277	732	1.02
Golden Delicious	83	289	144	110	626	0.88
Golden Russett	31	96	71	50	248	0.35
Other Varieties	605	734	1,881	608	3,828	5.35
TOTAL	4,863	13,871	38,037	14,691	71,462	100.00
Age Group as a % of Total Trees	6.80	19.41	53.23	20.56	100.00	

**TABLE III(E) — Showing the Number of Standard Apple Trees in the Niagara District
Classified by Variety and Age Group**

Variety	1 to 7 yrs	8 to 15 yrs	16 to 30 years	31 yrs & over	Total	Variety as a % of Total Trees
Quinte	145	385	40	25	595	1.25
Lodi	102	142	16	28	288	0.61
Melba	187	431	759	423	1,800	3.80
Early McIntosh	107	176	275	75	633	1.34
McIntosh	694	1,662	5,303	2,636	10,295	21.76
Northern Spy	386	523	3,796	1,774	6,479	13.69
Red Spy	114	273	903	1,263	2,553	5.40
Delicious	4,124	1,572	3,836	2,006	11,538	24.38
R.I. Greening	113	266	691	554	1,624	3.43
Wealthy	53	121	881	327	1,382	2.92
Cortland	138	380	815	790	2,123	4.49
Snow	29	23	253	146	451	0.95
Golden Delicious	2,556	180	232	145	3,113	6.58
Golden Russett	92	60	66	139	357	0.75
Other Varieties	1,209	510	1,691	679	4,089	8.65
TOTAL	10,049	6,704	19,557	11,010	47,320	100.00
Age Group as a % of Total Trees	21.23	14.17	41.33	23.27	100.00	

**TABLE III (F) — Showing the Number of Standard Apple Trees in the Southwestern Ontario District
Classified by Variety and Age Group**

Variety	1 to 7 yrs	8 to 15 yrs	16 to 30 years	31 yrs & over	Total	Variety as a % of Total Trees
Quinte	1,155	512	14	2	1,683	0.97
Lodi	662	392	154	16	1,224	0.71
Melba	314	796	1,246	960	3,316	1.91
Early McIntosh	3,029	2,095	959	410	6,493	3.75
McIntosh	5,826	8,233	20,564	16,729	51,352	29.65
Northern Spy	2,958	3,759	12,832	16,845	36,394	21.01
Red Spy	718	319	2,368	2,242	5,647	3.26
Delicious	6,931	8,777	7,440	7,481	30,629	17.69
R.I. Greening	109	358	3,799	1,952	6,218	3.59
Wealthy	212	254	1,698	1,252	3,416	1.97
Cortland	170	1,037	3,517	1,661	6,385	3.69
Snow	214	97	537	878	1,726	1.00
Golden Delicious	1,053	1,896	867	273	4,089	2.36
Golden Russett	363	502	318	303	1,486	0.86
Other Varieties	<u>3,260</u>	<u>2,077</u>	<u>3,526</u>	<u>4,261</u>	<u>13,124</u>	<u>7.58</u>
TOTAL	26,974	31,104	59,839	55,265	173,182	100.00
Age Group as a % of Total Trees	15.58	17.96	34.55	31.91	100.00	

**TABLE IV — Showing the Number of Standard Apple Trees in the Province of Ontario
— Reported in the 1971 Survey
Compared with the Numbers Reported in 1956, 1961, and 1966**

Variety	1956 Survey	1961 Survey	1966 Survey	1971 Survey
Quinte	*	*	1,664	5,488
Lodi	*	1,923	2,223	3,075
Melba	18,101	18,780	15,737	14,032
Early McIntosh	9,147	12,919	9,544	13,332
McIntosh	290,855	291,552	294,853	288,030
Wayne	*	*	3,384	**
Idared	*	*	304	—
Northern Spy	173,631	174,688	157,212	142,190
Red Spy	26,809	28,978	25,459	22,314
Delicious	82,915	87,100	85,485	97,296
R.I. Greening	33,907	24,933	24,181	22,695
Wealthy	26,939	22,908	15,494	12,129
Cortland	26,746	27,447	24,735	22,190
Snow	21,242	17,217	12,033	8,616
Golden Delicious	*	7,295	10,508	11,422
Golden Russett	*	4,420	3,724	5,620
Other Varieties	<u>136,019</u>	<u>111,154</u>	<u>62,252</u>	<u>57,755</u>
TOTAL	846,311	831,314	748,792	726,184

* Included in "other varieties" in 1956 and 1961 Surveys.

** Included in "other varieties" in the 1971 Survey.

**TABLE V — Showing the Anticipated Plantings and Removals of
Standard Apple Trees during 1972 and 1973**

District	Anticipated New Plantings		Anticipated Removals	
	No. farms	No. acres	No. farms	No. acres
Southwestern Ontario	25	68	57	207
Niagara	17	37	30	85
Central Ontario	3	7	3	15
Georgian Bay	27	101	9	34
Eastern Ontario	31	93	27	81
St. Lawrence Valley	9	28	6	17
TOTAL PROVINCE	112	334	132	439

APPLES ON SIZE-CONTROLLING ROOTSTOCKS TABLES VI TO XVII (G)

TABLE VI — Number of Farms Reporting Apples on Size-Controlling Rootstocks Classified According to Number of Trees on Farm

Number of trees	St. Lawrence Valley	Eastern Ontario	Georgian Bay	Central Ontario	Niagara	Southwestern Ontario	Total Province	No. of farms in each size as a % of total
	No. farms	No. farms	No. farms	No. farms	No. farms	No. farms	No. farms	%
1 to 30	8	15	6	6	95	24	154	20.69
31 to 150	2	26	12	11	47	46	144	19.38
151 to 300	1	23	8	5	30	25	92	12.36
301 to 600	1	13	4	10	30	36	94	12.63
601 to 1,500	1	26	25	14	21	53	140	18.82
1,501 to 3,000	—	13	5	7	7	24	56	7.52
3,001 to 4,500	—	4	5	7	—	9	25	3.36
4,501 & over	—	6	3	12	3	15	39	5.24
TOTAL FARMS	13	126	68	72	233	232	744	100.00
Number of farms in each district as a % of total	1.75	16.93	9.14	9.68	31.32	31.18	100.00	

TABLE VII — Showing the Number of Apple Trees in the Province of Ontario Classified by Variety and District

Variety	St. Lawrence Valley	Eastern Ontario	Georgian Bay	Central Ontario	Niagara	Southwestern Ontario	Total	Variety as a % of Total Trees
McIntosh	1,035	58,748	28,517	53,507	16,845	71,308	229,960	30.49
Delicious	402	34,698	19,726	39,294	48,788	75,969	218,877	29.03
Northern Spy	—	12,087	17,159	11,119	12,381	28,905	81,651	10.83
Early McIntosh	—	1,474	1,079	3,605	984	4,433	11,575	1.53
Wealthy	2	269	92	2,371	234	825	3,793	0.50
Melba	79	4,794	437	2,811	2,298	4,515	14,934	1.98
Cortland	2	1,524	3,330	2,511	2,422	1,248	11,037	1.46
Golden Delicious	3	1,807	4,457	9,602	11,161	22,985	50,015	6.63
Idared	—	2,665	646	2,428	1,932	20,487	28,158	3.73
Spartan	—	2,210	505	4,522	1,705	6,516	15,458	2.05
Other Varieties	256	16,165	9,517	13,301	10,587	38,976	88,802	11.77
TOTAL	1,779	136,441	85,465	145,071	109,337	276,167	754,260	100.00
District as a % of Total Trees	0.24	18.09	11.33	19.23	14.51	36.60	100.00	

**TABLE VIII — Showing the Number of Apple Trees on Size-Controlling Rootstock in the Province of Ontario
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	114,285	69,704	39,520	6,451	229,960	30.49
Delicious	134,083	52,029	28,739	4,026	218,877	29.03
Northern Spy	42,746	25,195	12,551	1,159	81,651	10.83
Early McIntosh	4,522	4,478	2,573	2	11,575	1.53
Wealthy	987	1,192	1,412	202	3,793	0.50
Melba	6,469	4,304	4,003	158	14,934	1.98
Cortland	6,421	2,210	1,982	424	11,037	1.46
Golden Delicious	29,865	16,207	3,710	233	50,015	6.63
Idared	23,835	3,153	1,050	120	28,158	3.73
Spartan	13,768	1,540	150	—	15,458	2.05
Other Varieties	63,163	20,474	4,552	613	88,802	11.77
TOTAL	440,144	200,486	100,242	13,388	754,260	100.00
Age Group as a % of Total Trees	58.36	26.58	13.29	1.77	100.00	

**TABLE VIII (A) — Showing the Number of Apple Trees on Size-Controlling Rootstocks in the St. Lawrence District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	650	325	12	48	1,035	58.17
Delicious	402	—	—	—	402	22.64
Northern Spy	—	—	—	—	—	—
Early McIntosh	—	—	—	—	—	—
Wealthy	2	—	—	—	2	0.11
Melba	79	—	—	—	79	4.45
Cortland	2	—	—	—	2	0.11
Golden Delicious	3	—	—	—	3	0.16
Idared	—	—	—	—	—	—
Spartan	—	—	—	—	—	—
Other Varieties	254	2	—	—	256	14.36
TOTAL	1,392	327	12	48	1,779	100.00
Age Group as a % of Total Trees	78.22	18.40	0.68	2.70	100.00	

**TABLE VIII(B) — Showing the Number of Apple Trees on Size-Controlling Rootstocks in the Eastern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	34,306	12,065	12,085	292	58,748	43.05
Delicious	21,086	5,828	7,784	—	34,698	25.43
Northern Spy	4,597	2,040	5,406	44	12,087	8.86
Early McIntosh	224	480	770	—	1,474	1.08
Wealthy	1	—	268	—	269	0.20
Melba	1,694	413	2,685	2	4,794	3.52
Cortland	1,106	27	347	44	1,524	1.12
Golden Delicious	1,192	100	489	26	1,807	1.32
Idared	2,665	—	—	—	2,665	1.95
Spartan	2,210	—	—	—	2,210	1.62
Other Varieties	11,879	2,930	1,356	—	16,165	11.85
TOTAL	80,960	23,883	31,190	408	136,441	100.00
Age Group as a % of Total Trees	59.33	17.50	22.87	0.30	100.00	

**TABLE VIII(C) — Showing the Number of Apple Trees on Size-Controlling Rootstocks in the Central Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	12,540	23,460	12,853	4,654	53,507	36.89
Delicious	12,932	14,471	8,631	3,260	39,294	27.09
Northern Spy	1,514	7,758	1,629	218	11,119	7.66
Early McIntosh	691	2,343	571	—	3,605	2.48
Wealthy	464	767	950	190	2,371	1.63
Melba	1,013	1,066	612	120	2,811	1.94
Cortland	570	1,101	840	—	2,511	1.73
Golden Delicious	3,819	5,068	695	20	9,602	6.62
Idared	2,428	—	—	—	2,428	1.67
Spartan	3,472	1,050	—	—	4,522	3.12
Other Varieties	8,649	4,140	479	33	13,301	9.17
TOTAL	48,092	61,224	27,260	8,495	145,071	100.00
Age Group as a % of Total Trees	33.15	42.20	18.79	5.86	100.00	

**TABLE VIII (D) — Showing the Number of Apple Trees on Size-Controlling Rootstocks in the Georgian Bay District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	12,250	12,528	3,339	400	28,517	33.35
Delicious	10,191	7,976	1,433	126	19,726	23.08
Northern Spy	10,088	5,627	1,290	154	17,159	20.08
Early McIntosh	425	654	—	—	1,079	1.26
Wealthy	—	1	89	2	92	0.11
Melba	80	338	4	15	437	0.51
Cortland	2,587	375	148	220	3,330	3.90
Golden Delicious	935	3,516	1	5	4,457	5.22
Idared	646	—	—	—	646	0.76
Spartan	405	100	—	—	505	0.59
Other Varieties	6,129	2,802	575	11	9,517	11.14
TOTAL	43,736	33,917	6,879	933	85,465	100.00
Age Group as a % of Total Trees	51.17	39.69	8.05	1.09	100.00	

**TABLE VIII (E) — Showing the Number of Apple Trees on Size-Controlling Rootstocks in the Niagara District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	10,053	4,588	1,862	342	16,845	15.41
Delicious	37,982	8,424	2,320	62	48,788	44.62
Northern Spy	8,385	2,977	996	23	12,381	11.34
Early McIntosh	787	184	12	1	984	0.90
Wealthy	59	103	62	10	234	0.21
Melba	357	1,852	69	20	2,298	2.10
Cortland	1,418	569	368	67	2,422	2.22
Golden Delicious	7,207	3,399	554	1	11,161	10.21
Idared	1,688	244	—	—	1,932	1.76
Spartan	1,455	250	—	—	1,705	1.56
Other Varieties	7,819	1,798	921	49	10,587	9.67
TOTAL	77,210	24,388	7,164	575	109,337	100.00
Age Group as a % of Total Trees	70.61	22.31	6.55	0.53	100.00	

TABLE VIII (F) — Showing the Number of Apple Trees on Size-Controlling Rootstocks in Southwestern Ontario District Classified by Variety and Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	44,486	16,738	9,369	715	71,308	25.82
Delicious	51,490	15,330	8,571	578	75,969	27.51
Northern Spy	18,162	6,793	3,230	720	28,905	10.47
Early McIntosh	2,395	817	1,220	1	4,433	1.61
Wealthy	461	321	43	—	825	0.30
Melba	3,246	635	633	1	4,515	1.63
Cortland	738	138	279	93	1,248	0.45
Golden Delicious	16,709	4,124	1,971	181	22,985	8.32
Idared	16,408	2,909	1,050	120	20,487	7.42
Spartan	6,226	140	150	—	6,516	2.36
Other Varieties	28,436	8,802	1,221	517	38,976	14.11
TOTAL	188,757	56,747	27,737	2,926	276,167	100.00
Age Group as a % of Total Trees	68.35	20.55	10.04	1.06	100.00	

**TABLE IX — Showing the Number of Apple Trees on Size-Controlling Rootstocks in the Province of Ontario —
— Reported in 1971 Survey Compared with Numbers in 1956, 1961, 1966, and 1971 Surveys**

Variety	1956 Survey	1961 Survey	1966 Survey	1971 Survey
McIntosh	23,873	87,296	145,646	229,960
Delicious	20,851	74,102	103,166	218,877
Northern Spy	10,044	36,623	57,421	81,651
Early McIntosh	2,675	13,039	10,307	11,575
Wealthy	2,373	3,182	3,402	3,793
Melba	1,678	8,267	10,825	14,934
Cortland	1,868	5,062	6,570	11,037
Golden Delicious	1,380	11,832	33,891	50,015
Other Varieties	7,606	33,216	55,408	132,418
TOTAL	72,348	272,619	426,636	754,260

TABLE X — Showing the Anticipated Plantings and Removals of Apple Trees on Size-Controlling Rootstock during 1972 and 1973

District	Anticipated New Plantings		Anticipated Removals	
	No. farms	No. acres	No. farms	No. acres
Southwestern Ontario	66	352	13	87
Niagara	36	81	2	6
Central Ontario	15	93	2	10
Georgian Bay	19	128	3	50
Eastern Ontario	35	114	1	3
St. Lawrence Valley	2	9	—	—
TOTAL PROVINCE	173	777	21	156

TABLE XI (A) — Showing the Number of Apple Trees on EM 2 Rootstocks in the Province of Ontario Classified by Variety, Age Group and Density* of Planting

VARIETY	1 to 5 years			6 to 10 years			11 to 16 years			17 years & over			TOTAL	Variety as a % of Total Trees
	density			density			density			density				
	low	med	high	low	med	high	low	med	high	low	med	high		
McIntosh	417	5,227	1,327	1,108	4,303	100	1,541	3,891	571	—	93	—	18,578	28.13
Delicious	861	6,698	770	649	3,541	—	194	3,151	900	—	210	—	16,974	25.70
Northern Spy	615	2,470	241	470	3,826	—	105	1,385	400	—	—	—	9,512	14.40
Early McIntosh	30	—	20	20	172	—	100	182	—	—	—	—	524	0.79
Wealthy	—	—	—	—	302	—	10	10	—	—	20	—	342	0.52
Melba	50	—	—	200	110	—	105	525	—	—	—	—	990	1.50
Cortland	—	871	50	100	310	—	—	460	100	—	80	—	1,971	2.98
Golden Delicious	—	494	510	40	536	—	10	72	100	—	180	—	1,942	2.94
Idared	—	2,523	216	—	896	—	—	336	—	—	120	—	4,091	6.19
Spartan	—	702	88	—	240	—	—	—	—	—	—	—	1,030	1.56
Other Varieties	775	5,887	358	343	2,139	—	—	540	50	—	—	—	10,092	15.29
TOTAL	2,748	24,872	3,580	2,930	16,375	100	2,065	10,552	2,121	—	703	—	66,046	100.00
Age Group as a % of Total Trees														
	4.16	37.66	5.42	4.44	24.79	0.15	3.13	15.98	3.21	—	1.06	—	100.00	

*Low Density — 60 trees and under
Medium Density — 61 to 200 trees
High Density — 201 trees and over

**TABLE XI (B) — Showing the Number of Apple Trees on EM 7 Rootstocks in the Province of Ontario
CLASSIFIED BY Variety, Age Group and Density* of Planting**

VARIETY	1 to 5 years			6 to 10 years			11 to 16 years			17 years & over			TOTAL	Variety as a % of Total Trees
	density			density			density			density				
	low	med	high	low	med	high	low	med	high	low	med	high		
McIntosh	427	17,921	6,124	1,468	18,383	952	3,637	13,197	440	—	4,071	—	66,620	33.42
Delicious	263	9,124	15,216	684	10,567	1,172	1,801	9,745	1,060	—	3,198	—	52,830	26.50
Northern Spy	221	4,523	3,215	832	4,877	500	111	6,344	359	—	362	—	21,344	10.71
Early McIntosh	—	489	632	40	1,871	220	150	1,199	—	—	—	—	4,601	2.31
Wealthy	—	237	280	—	284	75	107	400	200	—	170	—	1,753	0.88
Melba	—	672	800	18	1,202	345	103	1,771	—	—	135	—	5,046	2.53
Cortland	74	578	500	1	327	25	2	1,067	—	—	112	—	2,686	1.35
Golden Delicious	101	3,661	2,408	51	5,759	140	—	1,956	—	—	26	—	14,102	7.07
Idared	75	2,582	15	151	413	—	—	640	—	—	—	—	3,876	1.94
Spartan	—	831	24	—	625	—	—	—	—	—	—	—	1,480	0.74
Other Varieties	423	9,492	8,117	276	5,053	488	71	938	—	—	159	—	25,017	12.55
TOTAL	1,584	50,110	37,331	3,521	49,361	3,917	5,982	37,257	2,059	—	8,233	—	199,355	100.00
Age Group as a % of Total Trees	0.79	25.14	18.73	1.77	24.76	1.96	3.00	18.69	1.03	—	4.13	—	100.00	
*Low Density	—	60 trees and under												
Medium Density	—	61 to 200 trees												
High Density	—	201 trees and over												

**TABLE XI (C) — Showing the Number of Apple Trees on EM 9 Rootstocks in the Province of Ontario
Classified by Variety, Age Group and Density* of Planting**

VARIETY	1 to 5 years			6 to 10 years			11 to 16 years			17 years & over			TOTAL	Variety as a % of Total Trees
	density			density			density			density				
	low	med	high	low	med	high	low	med	high	low	med	high		
McIntosh	170	865	14,917	78	7,105	8,481	51	246	11,304	—	200	600	44,017	30.09
Delicious	715	926	22,314	61	6,551	8,915	430	342	7,747	3	258	200	48,462	33.13
Northern Spy	—	21	4,759	1	990	3,913	33	250	2,607	24	—	200	12,798	8.75
Early McIntosh	50	—	1,249	—	—	1,153	—	92	680	—	—	—	3,224	2.20
Wealthy	—	—	80	—	—	30	61	75	320	—	—	—	566	0.39
Melba	—	418	2,216	90	8	1,980	—	255	1,167	—	—	—	6,134	4.19
Cortland	11	165	655	39	75	601	—	—	78	—	—	—	1,624	1.11
Golden Delicious	164	531	12,476	—	40	3,501	—	552	57	—	—	—	17,321	11.84
Idared	—	—	364	—	—	—	—	—	—	—	—	—	364	0.25
Spartan	—	50	1,580	—	—	450	—	—	—	—	—	—	2,080	1.42
Other Varieties	15	2,359	3,067	76	140	2,571	31	932	494	—	7	—	9,692	6.63
TOTAL	1,125	5,335	63,677	345	14,909	31,595	606	2,744	24,454	27	465	1,000	146,282	100.00
Age Group as a % of Total Trees	0.77	3.65	43.52	0.24	10.19	21.60	0.41	1.88	16.72	0.02	0.32	0.68	100.00	
*Low Density	—	60 trees and under												
Medium Density	—	61 to 200 trees												
High Density	—	201 trees and over												

**TABLE XI (D) — Showing the Number of Apple Trees on EM 26 Rootstocks in the Province of Ontario
Classified by Variety, Age Group and Density* of Planting**

VARIETY	1 to 5 years			6 to 10 years			11 to 16 years			17 years & over			TOTAL	Variety as a % of Total Trees	
	density			density			density			density					
	low	med	high	low	med	high	low	med	high	low	med	high			
McIntosh	62	233	8,118	—	24	565	—	—	—	—	—	—	9,002	25.45	
Delicious	—	2,115	8,062	—	20	24	—	—	—	—	—	—	10,221	28.90	
Northern Spy	80	344	6,901	—	30	—	—	—	—	—	—	—	7,355	20.79	
Early McIntosh	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Wealthy	—	35	—	—	—	—	—	—	—	—	—	—	35	0.11	
Melba	—	160	179	1	100	—	—	—	—	—	—	—	440	1.24	
Cortland	—	10	—	—	—	—	—	—	—	—	—	—	10	0.03	
Golden Delicious	4	198	451	—	2,000	—	—	—	—	—	—	—	2,653	7.50	
Idared	—	112	80	—	—	—	—	—	—	—	—	—	192	0.54	
Spartan	—	257	1,052	—	—	100	—	—	—	—	—	—	1,409	3.98	
Other Varieties	57	772	3,200	—	25	—	—	—	—	—	—	—	4,054	11.46	
TOTAL	203	4,236	28,043	1	2,199	689	—	—	—	—	—	—	35,371	100.00	
Age Group as a % of Total Trees	0.57	11.98	79.28	—	6.22	1.95	—	—	—	—	—	—	100.00		
*Low Density	—	60 trees and under													
Medium Density	—	61 to 200 trees													
High Density	—	201 trees and over													

**TABLE XI (E) — Showing the Number of Apple Trees on MM 104 Rootstocks in the Province of Ontario
Classified by Variety, Age Group and Density* of Planting**

VARIETY	1 to 5 years			6 to 10 years			11 to 16 years			17 years & over			TOTAL	Variety as a % of Total Trees
	density			density			density			density				
	low	med	high	low	med	high	low	med	high	low	med	high		
McIntosh	4	1,247	570	—	30	—	—	—	—	—	—	—	1,851	10.94
Delicious	36	3,992	634	150	1,615	575	—	300	—	—	—	—	7,302	43.12
Northern Spy	—	829	—	—	30	—	—	—	—	—	—	—	859	5.07
Early McIntosh	—	200	—	—	—	—	—	—	—	—	—	—	200	1.18
Wealthy	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Melba	—	50	—	—	—	—	—	—	—	—	—	—	50	0.30
Cortland	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golden Delicious	—	521	—	50	490	6	—	—	—	—	—	—	1,067	6.30
Idared	100	1,905	—	100	—	—	—	—	—	—	—	—	2,105	12.43
Spartan	—	1,369	—	—	—	—	—	—	—	—	—	—	1,369	8.08
Other Varieties	—	1,759	—	—	371	—	—	—	—	—	—	—	2,130	12.58
TOTAL	140	11,872	1,204	300	2,536	581	—	300	—	—	—	—	16,933	100.00
Age Group as a % of Total Trees	0.83	70.11	7.11	1.77	14.98	3.43	—	1.77	—	—	—	—	100.00	
*Low Density	60 trees and under													
Medium Density	—	61 to 200 trees												
High Density	201 trees and over													

TABLE XI (F) — Showing the Number of Apple Trees on MM 106 Rootstocks in the Province of Ontario Classified by Variety, Age Group and Density* of Planting

VARIETY	1 to 5 years			6 to 10 years			11 to 16 years			17 years & over			TOTAL	Variety as a % of Total Trees
	density			density			density			density				
	low	med	high	low	med	high	low	med	high	low	med	high		
McIntosh	663	29,905	5,913	3,533	9,844	500	—	405	—	—	—	—	50,763	37.24
Delicious	365	27,869	9,820	533	2,325	575	—	172	50	—	—	—	41,709	30.59
Northern Spy	75	10,977	1,845	705	535	—	—	—	—	—	—	—	14,137	10.37
Early McIntosh	—	628	—	—	400	—	—	—	—	—	—	—	1,028	0.75
Wealthy	—	48	—	—	—	—	—	45	—	—	—	—	93	0.07
Melba	4	478	—	—	50	—	—	3	—	—	—	—	535	0.39
Cortland	4	563	250	—	139	—	—	—	—	—	—	—	956	0.70
Golden Delicious	120	1,463	134	—	488	—	—	20	—	—	—	—	2,225	1.63
Idared	50	4,665	1,126	—	90	—	—	—	—	—	—	—	5,931	4.35
Spartan	87	3,906	954	—	25	—	—	—	—	—	—	—	4,972	3.65
Other Varieties	25	8,270	4,433	—	1,252	—	—	—	—	—	—	—	13,980	10.25
TOTAL	1,393	88,772	24,475	4,771	15,148	1,075	—	645	50	—	—	—	136,329	100.00

Age Group

as a %

of Total Trees	1.02	65.12	17.95	3.50	11.11	0.79	—	0.47	0.04	—	—	—	100.00
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*Low Density — 60 trees and under

Medium Density — 61 to 200 trees

High Density — 201 trees and over

TABLE XI (G) — Showing the Number of Apple Trees on M 111 Rootstocks in the Province of Ontario Classified by Variety, Age Group and Density* of Planting

VARIETY	1 to 5 years			6 to 10 years			11 to 16 years			17 years & over			TOTAL	Variety as a % of Total Trees
	density			density			density			density				
	low	med	high	low	med	high	low	med	high	low	med	high		
McIntosh	—	3,762	932	15	1,180	150	—	—	—	—	—	—	6,039	18.15
Delicious	150	3,433	3,111	35	791	—	—	888	—	—	—	—	8,408	25.27
Northern Spy	—	690	254	—	628	170	—	—	—	—	—	—	1,742	5.24
Early McIntosh	—	93	—	—	—	—	—	—	—	—	—	—	93	0.28
Wealthy	—	60	—	—	—	—	—	80	—	—	—	—	140	0.42
Melba	—	60	—	—	10	100	—	—	—	—	—	—	170	0.51
Cortland	—	2,000	24	—	12	—	—	—	—	—	—	—	2,036	6.12
Golden Delicious	177	368	419	—	60	460	—	125	—	—	—	—	1,609	4.84
Idared	252	7,495	—	—	—	300	—	—	—	—	—	—	8,047	24.19
Spartan	37	292	500	—	—	—	—	—	—	—	—	—	829	2.49
Other Varieties	555	1,804	324	1,400	71	—	—	—	—	—	—	—	4,154	12.49
TOTAL	1,171	20,057	5,564	1,450	2,752	1,180	—	1,093	—	—	—	—	33,267	100.00

Age Group

as a % of

Total Trees	3.52	60.28	16.73	4.36	8.27	3.55	—	3.29	—	—	—	—	100.00
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*Low Density — 60 trees and under

Medium Density — 61 to 200 trees

High Density — 201 trees and over

**TABLE XI (H) — Showing the Number of Apple Trees on OTHER ROOTSTOCKS in the Province of Ontario
Classified by Variety, Age Group and Density* of Planting**

VARIETY	1 to 5 years			6 to 10 years			11 to 16 years			17 years & over			TOTAL	Variety as a % of Total Trees
	density			density			density			density				
	low	med	high	low	med	high	low	med	high	low	med	high		
McIntosh	2,481	9,922	3,078	1,759	9,454	672	598	3,305	334	306	718	463	33,090	27.42
Delicious	2,284	12,142	3,183	3,132	9,883	231	270	1,688	1	7	23	127	32,971	27.32
Northern Spy	825	3,778	83	1,364	6,124	200	537	304	116	420	23	130	13,904	11.52
Early McIntosh	82	1,049	—	11	591	—	163	5	2	2	—	—	1,905	1.58
Wealthy	7	240	—	31	295	175	9	93	2	2	10	—	864	0.72
Melba	27	718	637	11	73	6	66	8	—	18	5	—	1,569	1.30
Cortland	23	524	119	111	470	—	121	154	—	24	—	208	1,754	1.45
Golden Delicious	329	3,294	2,042	438	1,898	250	455	363	—	27	—	—	9,096	7.54
Idared	514	1,761	—	49	1,154	—	—	74	—	—	—	—	3,552	2.94
Spartan	155	1,584	300	—	100	—	—	150	—	—	—	—	2,289	1.90
Other Varieties	1,217	8,848	1,406	1,048	5,221	—	149	1,266	81	413	7	27	19,683	16.31
TOTAL	7,944	43,860	10,848	7,954	35,263	1,534	2,368	7,410	536	1,219	786	955	120,677	100.00

Age Group

as a % of

Total Trees 6.58 36.35 8.99 6.59 29.22 1.27 1.96 6.14 0.44 1.02 0.65 0.79 100.00

*Low Density — 60 trees and under

Medium Density — 61 to 200 trees

High Density — 201 trees and over

**TABLE XI (I) — Showing the Number of Apple Trees on Size-Controlling Rootstocks in the Province of Ontario
Classified by Variety, Age Group and Density* of Planting**

VARIETY	1 to 5 years			6 to 10 years			11 to 16 years			17 years & over			TOTAL	Variety as a % of Total Trees
	density			density			density			density				
	low	med	high	low	med	high	low	med	high	low	med	high		
McIntosh	4,224	69,082	40,979	7,961	50,323	11,420	5,827	21,044	12,649	306	5,082	1,063	229,960	30.49
Delicious	4,674	66,299	63,110	5,244	35,293	11,492	2,695	16,286	9,758	10	3,689	327	218,877	29.02
Northern Spy	1,816	23,632	17,298	3,372	17,040	4,783	786	8,283	3,482	444	385	330	81,651	10.84
Early McIntosh	162	2,459	1,901	71	3,034	1,373	413	1,478	682	2	—	—	11,575	1.53
Wealthy	7	620	360	31	881	280	187	703	522	2	200	—	3,793	0.50
Melba	81	2,556	3,832	320	1,553	2,431	274	2,562	1,167	18	140	—	14,934	1.98
Cortland	112	4,711	1,598	251	1,333	626	123	1,681	178	24	192	208	11,037	1.46
Golden Delicious	895	10,530	18,440	579	11,271	4,357	465	3,088	157	27	206	—	50,015	6.63
Idared	991	21,043	1,801	300	2,553	300	—	1,050	—	—	120	—	28,158	3.73
Spartan	279	8,991	4,498	—	990	550	—	150	—	—	—	—	15,458	2.05
Other Varieties	3,067	39,191	20,905	3,143	14,272	3,059	251	3,676	625	413	173	27	88,802	11.77
TOTAL	16,308	249,114	174,722	21,272	138,543	40,671	11,021	60,001	29,220	1,246	10,187	1,955	754,260	100.00

Age Group

as a % of

Total Trees 2.16 33.04 23.16 2.82 18.37 5.39 1.46 7.95 3.87 0.17 1.35 0.26 100.00

*Low Density — 60 trees and under

Medium Density — 61 to 200 trees

High Density — 201 trees and over

TABLE XII — Showing the Number of Apple Trees on EM7 Rootstock in the St. Lawrence District Classified by Variety and Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total
McIntosh	—	300	—	—	300
Other Varieties	—	—	—	3	3
TOTAL	—	300	—	3	303
Age Group as a % of Total Trees	—	99.01	—	0.99	100.00

TABLE XII (A) —Showing the Number of Apple Trees on EM 26 Rootstock in the St. Lawrence District Classified by Variety and by Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total
McIntosh	124	—	—	—	124
Melba	50	—	—	—	50
TOTAL	174	—	—	—	174
Age Group as a % of Total Trees	100.00	—	—	—	100.00

TABLE XII (B) —Showing the Number of Apple Trees on MM 106 Rootstock in the St. Lawrence District Classified by Variety and by Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total
McIntosh	317	—	—	—	317
Delicious	50	—	—	—	50
Melba	20	—	—	—	20
Other Varieties	34	—	—	—	34
TOTAL	421	—	—	—	421
Age Group as a % of Total Trees	100.00	—	—	—	100.00

**TABLE XII (C) — Showing the Number of Apple Trees on OTHER Rootstock in the St. Lawrence District
Classified by Variety and by Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total
McIntosh	209	25	12	48	294
Delicious	352	—	—	—	352
Wealthy	2	—	—	—	2
Melba	9	—	—	—	9
Cortland	2	—	—	—	2
Golden Delicious	3	—	—	—	3
Other Varieties	217	2	—	—	219
TOTAL	794	27	12	48	881

Age Group as a % of Total Trees	90.12	3.06	1.36	5.45	100.00
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**TABLE XIII — Showing the Number of Apple Trees on EM 2 Rootstock in the Eastern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	686	613	729	—	2,028	20.77
Delicious	58	578	257	—	893	9.15
Northern Spy	603	20	105	—	728	7.46
Melba	—	20	480	—	500	5.12
Cortland	636	—	50	—	686	7.02
Golden Delicious	—	15	—	—	15	0.15
Idared	454	—	—	—	454	4.65
Spartan	38	—	—	—	38	0.39
Other Varieties	3,009	957	455	—	4,421	45.29
TOTAL	5,484	2,203	2,076	—	9,763	100.00

Age Group as a % of Total Trees	56.17	22.56	21.27	—	100.00
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**TABLE XIII(A) — Showing the Number of Apple Trees on EM 7 Rootstock in the Eastern Ontario District
Classified by Variety and by Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	5,061	2,657	7,232	292	15,242	42.49
Delicious	1,865	1,558	5,626	—	9,049	25.23
Northern Spy	385	840	4,805	44	6,074	16.93
Early McIntosh	25	130	770	—	925	2.58
Wealthy	1	—	268	—	269	0.75
Melba	97	342	1,599	—	2,038	5.68
Cortland	45	15	290	44	394	1.10
Golden Delicious	220	50	432	26	728	2.03
Other Varieties	169	418	562	—	1,149	3.21
TOTAL	7,868	6,010	21,584	406	35,868	100.00

Age Group as a % of Total Trees	21.94	16.76	60.18	1.13	100.00
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**TABLE XIII(B) — Showing the Number of Apple Trees on EM 9 Rootstock in the Eastern Ontario District
Classified by Variety and by Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	10,047	1,675	4,064	—	15,786	55.64
Delicious	1,110	2,260	1,901	—	5,271	18.57
Northern Spy	1,250	840	451	—	2,541	9.00
Melba	583	—	606	—	1,189	4.19
Cortland	151	—	—	—	151	0.53
Golden Delicious	150	—	57	—	207	0.73
Other Varieties	2,841	40	339	—	3,220	11.34
TOTAL	16,132	4,815	7,418	—	28,365	100.00
Age Group as a % of Total Trees	56.87	16.98	26.15	—	100.00	

**TABLE XIII(C) — Showing the Number of Apple Trees on EM 26 Rootstock in the Eastern Ontario District
Classified by Variety and by Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	4,393	500	—	—	4,893	49.35
Delicious	3,332	—	—	—	3,332	33.61
Northern Spy	359	—	—	—	359	3.62
Melba	70	—	—	—	70	0.71
Golden Delicious	77	—	—	—	77	0.78
Spartan	80	—	—	—	80	0.81
Other Varieties	1,103	—	—	—	1,103	11.12
TOTAL	9,414	500	—	—	9,914	100.00
Age Group as a % of Total Trees	94.96	5.04	—	—	100.00	

**TABLE XIII(D) — Showing the Number of Apple Trees on MM 104 Rootstock in the Eastern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
Delicious	422	—	—	—	422	50.42
Melba	30	—	—	—	30	3.58
Idared	60	—	—	—	60	7.17
Spartan	300	—	—	—	300	35.84
Other Varieties	—	25	—	—	25	2.99
TOTAL	812	25	—	—	837	100.00
Age Group as a % of Total Trees	97.01	2.99	—	—	100.00	

**TABLE XIII (E) — Showing the Number of Apple Trees on MM 106 Rootstock in the Eastern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	8,675	4,019	—	—	12,694	42.70
Delicious	9,332	50	—	—	9,382	31.56
Northern Spy	980	—	—	—	980	3.30
Early McIntosh	—	300	—	—	300	1.01
Melba	103	—	—	—	103	0.35
Cortland	138	—	—	—	138	0.46
Golden Delicious	120	30	—	—	150	0.50
Idared	2,151	—	—	—	2,151	7.24
Spartan	1,562	—	—	—	1,562	5.25
Other Varieties	2,149	120	—	—	2,269	7.63
TOTAL	25,210	4,519	—	—	29,729	100.00
Age Group as a % of Total Trees	84.80	15.20	—	—	100.00	

**TABLE XIII (F) — Showing the Number of Apple Trees on MM 111 Rootstock in the Eastern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	1,607	396	—	—	2,003	33.33
Delicious	2,059	100	—	—	2,159	35.92
Northern Spy	504	—	—	—	504	8.39
Early McIntosh	93	—	—	—	93	1.55
Cortland	24	12	—	—	36	0.60
Golden Delicious	510	—	—	—	510	8.49
Spartan	230	—	—	—	230	3.82
Other Varieties	445	30	—	—	475	7.90
TOTAL	5,472	538	—	—	6,010	100.00
Age Group as a % of Total Trees	91.05	8.95	—	—	100.00	

**TABLE XIII (G) — Showing the Number of Apple Trees on OTHER Rootstock in the Eastern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	3,837	2,205	60	—	6,102	38.24
Delicious	2,908	1,282	—	—	4,190	26.26
Northern Spy	516	340	45	—	901	5.65
Early McIntosh	106	50	—	—	156	0.98
Melba	811	51	—	2	864	5.42
Cortland	112	—	7	—	119	0.75
Golden Delicious	115	5	—	—	120	0.75
Other Varieties	2,163	1,340	—	—	3,503	21.95
TOTAL	10,568	5,273	112	2	15,955	100.00
Age Group as a % of Total Trees	66.24	33.05	0.70	0.01	100.00	

TABLE XIV — Showing the Number of Apple Trees on EM 2 Rootstock in the Georgian Bay District Classified by Variety and Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	4,653	1,470	2,145	—	8,268	55.46
Delicious	1,578	880	—	—	2,458	16.49
Northern Spy	1,602	430	800	—	2,832	19.00
Early McIntosh	—	100	—	—	100	0.67
Melba	50	—	—	—	50	0.34
Cortland	52	60	—	—	112	0.75
Golden Delicious	30	—	—	—	30	0.20
Idared	400	—	—	—	400	2.68
Other Varieties	657	—	—	—	657	4.41
TOTAL	9,022	2,940	2,945	—	14,907	100.00
Age Group as a % of Total Trees	60.52	19.72	19.76	—	100.00	

TABLE XIV (A) — Showing the Number of Apple Trees on EM 7 Rootstock in the Georgian Bay District Classified by Variety and by Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	840	2,810	300	—	3,950	37.68
Delicious	368	1,835	192	—	2,395	22.84
Northern Spy	454	1,367	—	—	1,821	17.37
Early McIntosh	100	400	—	—	500	4.77
Melba	—	333	—	—	333	3.18
Golden Delicious	320	950	—	—	1,270	12.11
Other Varieties	215	—	—	—	215	2.05
TOTAL	2,297	7,695	492	—	10,484	100.00
Age Group as a % of Total Trees	21.91	73.40	4.69	—	100.00	

TABLE XIV (B) — Showing the Number of Apple Trees on EM 9 Rootstock in the Georgian Bay District Classified by Variety and by Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	420	396	—	—	816	9.64
Delicious	5,015	1,924	—	—	6,939	81.94
Northern Spy	—	—	—	24	24	0.28
Cortland	10	—	—	—	10	0.12
Golden Delicious	9	15	—	—	24	0.28
Other Varieties	—	655	—	—	655	7.74
TOTAL	5,454	2,990	—	24	8,468	100.00
Age Group as a % of Total Trees	64.41	35.31	—	0.28	100.00	

**TABLE XIV (C)—Showing the Number of Apple Trees on EM 26 Rootstock in the Georgian Bay District
Classified by Variety and by Rootstock**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	12	—	—	—	12	0.28
Delicious	800	—	—	—	800	18.40
Northern Spy	1,130	—	—	—	1,130	25.99
Melba	5	1	—	—	6	0.14
Golden Delicious	—	2,000	—	—	2,000	46.00
Other Varieties	400	—	—	—	400	9.19
TOTAL	2,347	2,001		—	4,348	100.00
Age Group as a % of Total Trees	53.98	46.02	—	—	100.00	

**TABLE XIV (D)—Showing the Number of Apple Trees on MM 106 Rootstock in the Georgian Bay District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	2,903	2,472	—	—	5,375	32.50
Delicious	1,375	641	—	—	2,016	12.19
Northern Spy	4,396	43	—	—	4,439	26.84
Early McIntosh	75	—	—	—	75	0.45
Cortland	450	89	—	—	539	3.26
Golden Delicious	350	250	—	—	600	3.63
Idared	16	—	—	—	16	—
Spartan	55	—	—	—	55	—
Other Varieties	2,826	598	—	—	3,424	20.71
TOTAL	12,446	4,093	—	—	16,539	100.00
Age Group as a % of Total Trees	75.25	24.75	—	—	100.00	

**TABLE XIV (E)—Showing the Number of Apple Trees on MM 111 Rootstock in the Georgian Bay District
Classified by Variety and by Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	514	649	—	—	1,163	16.92
Delicious	800	476	500	—	1,776	25.84
Northern Spy	25	628	—	—	653	9.50
Cortland	2,000	—	—	—	2,000	29.10
Other Varieties	1,241	41	—	—	1,282	18.64
TOTAL	4,580	1,794	500	—	6,874	100.00
Age Group as a % of Total Trees	66.63	26.10	7.27	—	100.00	

**TABLE XIV (F) — Showing the Number of Apple Trees on OTHER Rootstock in the Georgian Bay District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	2,908	4,731	894	400	8,933	37.46
Delicious	255	2,220	741	126	3,342	14.02
Northern Spy	2,481	3,159	490	130	6,260	26.25
Early McIntosh	250	154	—	—	404	1.69
Wealthy	—	1	89	2	92	0.39
Melba	25	4	4	15	48	0.20
Cortland	75	226	148	220	669	2.81
Golden Delicious	226	301	1	5	533	2.24
Idared	230	—	—	—	230	0.96
Spartan	350	100	—	—	450	1.89
Other Varieties	790	1,508	575	11	2,884	12.09
TOTAL	7,590	12,404	2,942	909	23,845	100.00
Age Group as a % of Total Trees	31.83	52.02	12.34	3.81	100.00	

**TABLE XV — Showing the Number of Apple Trees on EM 2 Rootstock in the Central Ontario District
Classified by Variety and by Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	1,000	—	660	—	1,660	11.55
Delicious	3,571	1,576	1,174	50	6,371	44.34
Northern Spy	—	2,165	230	—	2,395	16.67
Early McIntosh	30	—	—	—	30	0.21
Wealthy	—	302	10	20	332	2.31
Melba	—	30	150	—	180	1.25
Cortland	33	300	200	—	533	3.71
Golden Delicious	94	252	60	20	426	2.96
Idared	400	—	—	—	400	2.79
Other Varieties	1,516	525	—	—	2,041	14.21
TOTAL	6,644	5,150	2,484	90	14,368	100.00
Age Group as a % of Total Trees	46.24	35.84	17.29	0.63	100.00	

**TABLE XV (A) — Showing the Number of Apple Trees on EM 7 Rootstock in the Central Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	3,558	7,667	4,863	3,254	19,342	42.60
Delicious	1,905	2,918	3,267	2,752	10,842	23.88
Northern Spy	219	570	625	18	1,432	3.15
Early McIntosh	160	930	91	—	1,181	2.60
Wealthy	100	—	405	170	675	1.49
Melba	305	440	212	120	1,077	2.37
Cortland	30	200	565	—	795	1.75
Golden Delicious	1,150	3,097	335	—	4,582	10.09
Idared	234	—	—	—	234	0.51
Spartan	570	600	—	—	1,170	2.58
Other Varieties	2,690	1,190	170	26	4,076	8.98
TOTAL	10,921	17,612	10,533	6,340	45,406	100.00
Age Group as a % of Total Trees	24.05	38.79	23.20	13.96	100.00	

**TABLE XV (B) — Showing the Number of Apple Trees on EM 9 Rootstock in the Central Ontario District
Classified by Variety and by Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	63	9,556	5,280	800	15,699	39.24
Delicious	1,900	5,467	4,190	458	12,015	30.03
Northern Spy	—	1,433	774	200	2,407	6.02
Early McIntosh	260	1,123	480	—	1,863	4.66
Wealthy	80	30	455	—	565	1.41
Melba	177	594	250	—	1,021	2.55
Cortland	110	401	75	—	586	1.46
Golden Delicious	1,488	823	300	—	2,611	6.53
Spartan	888	450	—	—	1,338	3.34
Other Varieties	684	1,035	181	7	1,907	4.76
TOTAL	5,650	20,912	11,985	1,465	40,012	100.00
Age Group as a % of Total Trees	14.12	52.27	29.95	3.66	100.00	

**TABLE XV (C) — Showing the Number of Apple Trees on EM 26 Rootstock in the Central Ontario District
Classified by Variety and by Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	120	—	—	—	120	13.95
Delicious	320	—	—	—	320	37.21
Northern Spy	170	—	—	—	170	19.77
Spartan	100	—	—	—	100	11.63
Other Varieties	150	—	—	—	150	17.44
TOTAL	860	—	—	—	860	100.00
Age Group as a % of Total Trees	100.00	—	—	—	100.00	

**TABLE XV (D) — Showing the Number of Apple Trees on MM 104 Rootstock in the Central Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
Delicious	210	881	—	—	1,091	73.57
Northern Spy	42	—	—	—	42	2.83
Golden Delicious	—	200	—	—	200	13.49
Other Varieties	—	150	—	—	150	10.11
TOTAL	252	1,231	—	—	1,483	100.00
Age Group as a % of Total Trees	16.99	83.01	—	—	100.00	

**TABLE XV (E) — Showing the Number of Apple Trees on MM 106 Rootstock in the Central Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	2,845	2,100	—	—	4,945	47.33
Delicious	1,325	750	—	—	2,075	19.86
Northern Spy	250	—	—	—	250	2.39
Melba	320	—	—	—	320	3.06
Cortland	180	50	—	—	230	2.20
Golden Delicious	105	—	—	—	105	1.00
Idared	1,018	—	—	—	1,018	9.74
Spartan	984	—	—	—	984	9.42
Other Varieties	522	—	—	—	522	5.00
TOTAL	7,549	2,900	—	—	10,449	100.00
Age Group as a % of Total Trees	72.25	27.75	—	—	100.00	

**TABLE XV (F) — Showing the Number of Apple Trees on MM 111 Rootstock in the Central Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	957	150	—	—	1,107	41.20
Delicious	585	95	—	—	680	25.31
Northern Spy	100	—	—	—	100	3.72
Wealthy	60	—	80	—	140	5.21
Melba	60	—	—	—	60	2.23
Golden Delicious	90	—	60	—	150	5.58
Idared	400	—	—	—	400	14.89
Other Varieties	50	—	—	—	50	1.86
TOTAL	2,302	245	140	—	2,687	100.00
Age Group as a % of Total Trees	85.67	11.35	2.98	—	100.00	

TABLE XV (G) — Showing the Number of Apple Trees on OTHER Rootstocks* in the Central Ontario District Classified by Variety and by Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	3,997	3,987	2,050	600	10,634	35.68
Delicious	3,116	2,784	—	—	5,900	19.79
Northern Spy	733	3,590	—	—	4,323	14.50
Early McIntosh	241	290	—	—	531	1.78
Wealthy	224	435	—	—	659	2.21
Melba	151	2	—	—	153	0.51
Cortland	217	150	—	—	367	1.23
Golden Delicious	892	636	—	—	1,528	5.13
Idared	376	—	—	—	376	1.26
Spartan	930	—	—	—	930	3.12
Other Varieties	3,037	1,240	128	—	4,405	14.79
TOTAL	13,914	13,114	2,178	600	29,806	100.00
Age Group as a % of Total Trees	46.68	44.00	7.31	2.01	100.00	

*Includes #M 4

TABLE XVI — Showing the Number of Apple Trees on EM 2 Rootstock in the Niagara District Classified by Variety and Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	—	320	773	—	1,093	21.44
Delicious	439	409	1,000	—	1,848	36.26
Northern Spy	201	50	525	—	776	15.22
Melba	—	220	—	—	220	4.32
Cortland	200	—	200	—	400	7.85
Golden Delicious	100	34	100	—	234	4.59
Idared	—	70	—	—	70	1.37
Spartan	93	100	—	—	193	3.79
Other Varieties	8	200	55	—	263	5.16
TOTAL	1,041	1,403	2,653	—	5,097	100.00
Age Group as a % of Total Trees	20.42	27.53	52.05	—	100.00	

**TABLE XVI(A)—Showing the Number of Apple Trees on EM 7 Rootstock in the Niagara District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	2,986	683	153	225	4,047	13.35
Delicious	12,903	1,927	360	30	15,220	50.21
Northern Spy	1,964	583	139	—	2,686	8.86
Early McIntosh	332	84	5	—	421	1.39
Wealthy	59	77	2	—	138	0.46
Melba	136	79	49	15	279	0.92
Cortland	471	118	164	60	813	2.68
Golden Delicious	3,449	365	25	—	3,839	12.66
Idared	223	75	—	—	298	0.98
Spartan	66	25	—	—	91	0.30
Other Varieties	<u>1,967</u>	<u>465</u>	<u>20</u>	<u>30</u>	<u>2,482</u>	<u>8.19</u>
TOTAL	24,556	4,481	917	360	30,314	100.00
Age Group as a % of Total Trees	81.01	14.78	3.02	1.19	100.00	

**TABLE XVI(B)—Showing the Number of Apple Trees on EM 9 Rootstock in the Niagara District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	1,801	2,977	810	—	5,588	17.20
Delicious	9,041	4,506	902	3	14,452	44.48
Northern Spy	375	1,851	280	—	2,506	7.71
Early McIntosh	200	—	—	—	200	0.62
Melba	64	1,484	—	—	1,548	4.76
Cortland	520	314	—	—	834	2.57
Golden Delicious	1,668	2,623	—	—	4,291	13.21
Idared	364	—	—	—	364	1.12
Spartan	712	—	—	—	712	2.19
Other Varieties	<u>746</u>	<u>457</u>	<u>790</u>	<u>—</u>	<u>1,993</u>	<u>6.14</u>
TOTAL	15,491	14,212	2,782	3	32,488	100.00
Age Group as a % of Total Trees	47.68	43.75	8.56	0.01	100.00	

TABLE XVI(C)—Showing the Number of Apple Trees on EM 26 Rootstock in the Niagara District Classified by Variety and Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	3,435	89	—	—	3,524	27.22
Delicious	3,232	44	—	—	3,276	25.31
Northern Spy	4,916	30	—	—	4,946	38.20
Melba	40	—	—	—	40	0.31
Golden Delicious	501	—	—	—	501	3.87
Idared	80	—	—	—	80	0.62
Spartan	314	100	—	—	414	3.20
Other Varieties	140	25	—	—	165	1.27
TOTAL	12,658	288	—	—	12,946	100.00
Age Group as a % of Total Trees	97.78	2.22	—	—	100.00	

TABLE XVI(D)—Showing the Number of Apple Trees on MM 104 Rootstock in the Niagara District Classified by Variety and by Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	164	—	—	—	164	7.65
Delicious	1,066	156	—	—	1,222	56.97
Northern Spy	130	2	—	—	132	6.15
Golden Delicious	23	50	—	—	73	3.40
Idared	200	—	—	—	200	9.32
Other Varieties	354	—	—	—	354	16.51
TOTAL	1,937	208	—	—	2,145	100.00
Age Group as a % of Total Trees	90.30	9.70	—	—	100.00	

TABLE XVI(E)—Showing the Number of Apple Trees on MM 106 Rootstock in the Niagara District Classified by Variety and Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	279	48	50	—	377	2.72
Delicious	7,791	256	24	—	8,071	58.34
Northern Spy	252	263	—	—	515	3.72
Early McIntosh	40	—	—	—	40	0.29
Wealthy	—	—	45	—	45	0.33
Melba	34	50	3	—	87	0.63
Cortland	37	—	—	—	37	0.27
Golden Delicious	377	75	20	—	472	3.41
Idared	230	50	—	—	280	2.02
Spartan	16	25	—	—	41	0.30
Other Varieties	3,511	359	—	—	3,870	27.97
TOTAL	12,567	1,126	142	—	13,835	100.00
Age Group as a % of Total Trees	90.83	8.14	1.03	—	100.00	

**TABLE XVI(F) — Showing the Number of Apple Trees on OTHER Rootstocks* in the Niagara District
Classified by Variety and by Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	1,388	471	76	117	2,052	16.40
Delicious	3,510	1,126	34	29	4,699	37.56
Northern Spy	547	198	52	23	820	6.55
Early McIntosh	215	100	7	1	323	2.58
Wealthy	—	26	15	10	51	0.41
Melba	83	19	17	5	124	0.99
Cortland	190	137	4	7	338	2.70
Golden Delicious	1,089	252	409	1	1,751	13.99
Idared	591	49	—	—	640	5.12
Spartan	254	—	—	—	254	2.03
Other Varieties	1,093	292	56	19	1,460	11.67
TOTAL	8,960	2,670	670	212	12,512	100.00
Age Group as a % of Total Trees	71.61	21.34	5.36	1.69	100.00	

*Includes MM 111

**TABLE XVII — Showing the Number of Apple Trees on EM 2 Rootstock in the Southwestern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	632	3,108	1,696	93	5,529	25.23
Delicious	2,683	747	1,814	160	5,404	24.66
Northern Spy	920	1,631	230	—	2,781	12.69
Early McIntosh	20	92	282	—	394	1.80
Wealthy	—	—	10	—	10	0.05
Melba	—	40	—	—	40	0.18
Cortland	—	50	110	80	240	1.10
Golden Delicious	780	275	22	160	1,237	5.65
Idared	1,485	826	336	120	2,767	12.63
Spartan	659	140	—	—	799	3.65
Other Varieties	1,830	800	80	—	2,710	12.36
TOTAL	9,009	7,709	4,580	613	21,911	100.00
Age Group as a % of Total Trees	41.12	35.18	20.90	2.80	100.00	

TABLE XVII(A)—Showing the Number of Apple Trees on EM 7 Rootstock in the Southwestern Ontario District Classified by Variety and Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	12,027	6,686	4,726	300	23,739	30.83
Delicious	7,562	4,185	3,161	416	15,324	19.91
Northern Spy	4,937	2,849	1,245	300	9,331	12.12
Early McIntosh	504	587	483	—	1,574	2.04
Wealthy	357	282	32	—	671	0.87
Melba	934	371	14	—	1,319	1.71
Cortland	606	20	50	8	684	0.89
Golden Delicious	1,031	1,488	1,164	—	3,683	4.78
Idared	2,215	489	640	—	3,344	4.35
Spartan	219	—	—	—	219	0.29
Other Varieties	<u>12,991</u>	<u>3,744</u>	<u>257</u>	<u>100</u>	<u>17,092</u>	<u>22.21</u>
TOTAL	43,383	20,701	11,772	1,124	76,980	100.00
Age Group as a % of Total Trees	56.36	26.89	15.29	1.46	100.00	

TABLE XVII(B)—Showing the Number of Apple Trees on EM 9 Rootstock in the Southwestern Ontario District Classified by Variety and by Age Group

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	3,621	1,060	1,447	—	6,128	16.59
Delicious	6,889	1,370	1,526	—	9,785	26.48
Northern Spy	3,155	780	1,385	—	5,320	14.40
Early McIntosh	839	30	292	—	1,161	3.14
Wealthy	—	—	1	—	1	—
Melba	1,810	—	566	—	2,376	6.43
Cortland	40	—	3	—	43	0.12
Golden Delicious	9,856	80	252	—	10,188	27.57
Spartan	30	—	—	—	30	0.08
Other Varieties	<u>1,170</u>	<u>600</u>	<u>147</u>	<u>—</u>	<u>1,917</u>	<u>5.19</u>
TOTAL	27,410	3,920	5,619	—	36,949	100.00
Age Group as a % of Total Trees	74.18	10.61	15.21	—	100.00	

**TABLE XVII(C)—Showing the Number of Apple Trees on EM 26 Rootstock in the Southwestern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	329	—	—	—	329	4.61
Delicious	2,493	—	—	—	2,493	34.97
Northern Spy	750	—	—	—	750	10.52
Wealthy	35	—	—	—	35	0.49
Melba	174	100	—	—	274	3.84
Cortland	10	—	—	—	10	0.14
Golden Delicious	75	—	—	—	75	1.05
Idared	112	—	—	—	112	1.57
Spartan	815	—	—	—	815	11.44
Other Varieties	2,236	—	—	—	2,236	31.37
TOTAL	7,029	100	—	—	7,129	100.00
Age Group as a % of Total Trees	98.60	1.40	—	—	100.00	

**TABLE XVII(D)—Showing the Number of Apple Trees on MM 104 Rootstock in the Southwestern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	1,657	30	—	—	1,687	13.53
Delicious	2,964	1,303	300	—	4,567	36.63
Northern Spy	657	28	—	—	685	5.49
Early McIntosh	200	—	—	—	200	1.60
Melba	20	—	—	—	20	0.16
Golden Delicious	498	296	—	—	794	6.37
Idared	1,745	100	—	—	1,845	14.80
Spartan	1,069	—	—	—	1,069	8.57
Other Varieties	1,405	196	—	—	1,601	12.85
TOTAL	10,215	1,953	300	—	12,468	100.00
Age Group as a % of Total Trees	81.93	15.66	2.41	—	100.00	

**TABLE XVII(E)—Showing the Number of Apple Trees on MM 106 Rootstock in the Southwestern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	21,462	5,238	355	—	27,055	41.40
Delicious	18,181	1,736	198	—	20,115	30.78
Northern Spy	7,019	934	—	—	7,953	12.17
Early McIntosh	513	100	—	—	613	0.94
Wealthy	48	—	—	—	48	0.07
Melba	5	—	—	—	5	—
Cortland	12	—	—	—	12	0.02
Golden Delicious	765	133	—	—	898	1.37
Idared	2,426	40	—	—	2,466	3.77
Spartan	2,330	—	—	—	2,330	3.57
Other Varieties	3,686	175	—	—	3,861	5.91
TOTAL	56,447	8,356	553	—	65,356	100.00
Age Group as a % of Total Trees	86.37	12.78	0.85	—	100.00	

**TABLE XVII(F)—Showing the Number of Apple Trees on MM 111 Rootstock in the Southwestern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	1,616	150	—	—	1,766	9.98
Delicious	3,250	155	388	—	3,793	21.43
Northern Spy	315	170	—	—	485	2.74
Melba	—	110	—	—	110	0.62
Golden Delicious	364	460	125	—	949	5.36
Idared	7,347	300	—	—	7,647	43.22
Spartan	599	—	—	—	599	3.38
Other Varieties	947	1,400	—	—	2,347	13.27
TOTAL	14,438	2,745	513	—	17,696	100.00
Age Group as a % of Total Trees	81.59	15.51	2.90	—	100.00	

**TABLE XVII (G)—Showing the Number of Apple Trees on OTHER Rootstocks* in the Southwestern Ontario District
Classified by Variety and Age Group**

Variety	1 to 5 yrs	6 to 10 yrs	11 to 16 yrs	17 yrs & over	Total	Variety as a % of Total Trees
McIntosh	3,142	466	1,145	322	5,075	13.47
Delicious	7,468	5,834	1,184	2	14,488	38.45
Northern Spy	409	401	370	420	1,600	4.25
Early McIntosh	319	8	163	1	491	1.30
Wealthy	21	39	—	—	60	0.16
Melba	303	14	53	1	371	0.98
Cortland	70	68	116	5	259	0.69
Golden Delicious	3,340	1,392	408	21	5,161	13.70
Idared	1,078	1,154	74	—	2,306	6.12
Spartan	505	—	150	—	655	1.74
Other Varieties	<u>4,171</u>	<u>1,887</u>	<u>737</u>	<u>417</u>	<u>7,212</u>	<u>19.14</u>
TOTAL	20,826	11,263	4,400	1,189	37,678	100.00
Age Group as a % of Total Trees	55.27	29.89	11.68	3.16	100.00	

*Includes EM 4

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